

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-231292

(43)Date of publication of application : 16.08.2002

(51)Int.Cl.

H01M 8/04

F25B 27/00

F25B 27/02

H01M 8/00

H01M 8/06

(21)Application number : 2001-023132

(71)Applicant : DAIKIN IND LTD

(22)Date of filing : 31.01.2001

(72)Inventor : OKAMOTO YASUNARI

MATSUI NOBUKI

IKEGAMI SHUJI

YONEMOTO KAZUO

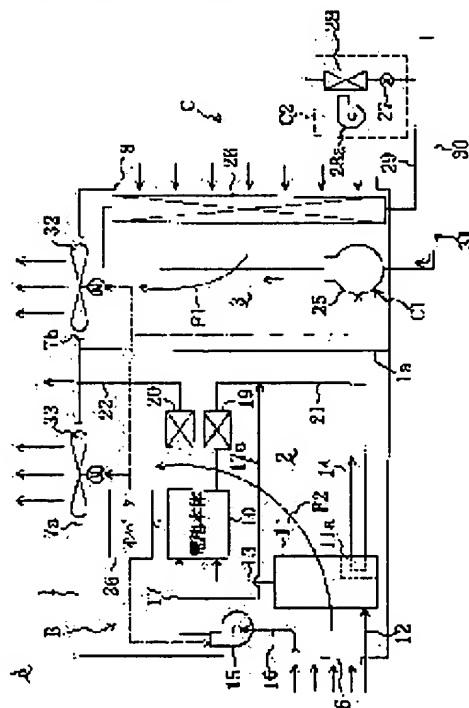
(54) FUEL CELL AND FUEL CELL-DRIVEN COOLING-FREEZING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To stably generate power by a fuel cell B to prevent the stop of an air conditioner C by radiating the exhaust heat of the fuel cell B with a relatively simple structure.

SOLUTION: A fuel cell-driven cooling-freezing device is provided with: the fuel cell B equipped with a reforming part 11 for reforming a material gas to generate a reformed gas, a cell body 10 having a hydrogen electrode and an oxygen electrode disposed by interposing an electrolyte formed of a solid high polymer for generating electromotive force between both the electrodes by feeding the reformed gas from the reforming part 11 and the air containing oxygen to the hydrogen electrode and the oxygen electrode,

respectively, and exhaust gas moisture condensing parts 19 and 20 for condensing steam included in the exhaust gas discharged from the cell body 10; and the air conditioner C operated by the power generated by the fuel cell B. Air flow F2 is formed in a housing 1 by an



BEST AVAILABLE COPY

air-cooling fan 33, and the exhaust heat generated with the power generation of the fuel cell B is radiated by the air flow F2.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office